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FORM**

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Total Number of Pages in This Submission

**4**

Application Number	09/995,872
Filing Date	11/29/2001
First Named Inventor	Si-Nin Quan
Art Unit	2839
Examiner Name	Jean F. Duverne
Attorney Docket Number	

**ENCLOSURES (Check all that apply)**

<input type="checkbox"/> Fee Transmittal Form <input type="checkbox"/> Fee Attached <input type="checkbox"/> Amendment/Reply <input type="checkbox"/> After Final <input type="checkbox"/> Affidavits/declaration(s) <input type="checkbox"/> Extension of Time Request <input type="checkbox"/> Express Abandonment Request <input type="checkbox"/> Information Disclosure Statement <input type="checkbox"/> Certified Copy of Priority Document(s) <input type="checkbox"/> Reply to Missing Parts/Incomplete Application <input type="checkbox"/> Reply to Missing Parts under 37 CFR 1.52 or 1.53	<input type="checkbox"/> Drawing(s) <input type="checkbox"/> Licensing-related Papers <input type="checkbox"/> Petition <input type="checkbox"/> Petition to Convert to a Provisional Application <input type="checkbox"/> Power of Attorney, Revocation <input type="checkbox"/> Change of Correspondence Address <input type="checkbox"/> Terminal Disclaimer <input type="checkbox"/> Request for Refund <input type="checkbox"/> CD, Number of CD(s) _____ <input type="checkbox"/> Landscape Table on CD	<input type="checkbox"/> After Allowance Communication to TC <input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences <input type="checkbox"/> Appeal Communication to TC (Appeal Notice, Brief, Reply Brief) <input type="checkbox"/> Proprietary Information <input type="checkbox"/> Status Letter <input checked="" type="checkbox"/> Other Enclosure(s) (please identify below):
Remarks: <b>RESPONSE TO OFFICE ACTION. 2 DRAWINGS OF CITED ART.</b>		

**SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT**

Firm Name			
Signature	<i>Si-Nin Quan</i>		
Printed name	Si-Nin Quan		
Date	7/27/2005	Reg. No.	

**CERTIFICATE OF TRANSMISSION/MAILING**

I hereby certify that this correspondence is being facsimile transmitted to the USPTO or deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on the date shown below:

Signature	<i>Si-Nin Quan</i>		
Typed or printed name	SI-NIN QUAN	Date	7/27/2005

This collection of information is required by 37 CFR 1.5. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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## **In The United States Patent And Trademark Office**

Appn. Number : 09/995,872

Appn. Filed : 2001 Nov 29

Applicants : Si-Nin Quan and Judy, Fei-Man Quan

Title : Revolutionary connections for Spark plugs and wires

Examiner/GAU : Jean F. Duverne/2839

Assistant Commissioner for Patents

Alexandria, VA 22313-1450

Sir :

In response to the Office Action mailed 2005 Jun 13, applicants submit the following statement whose remarks are subjected to close scrutiny.

Claims 1-5 were rejected under 35 U.S.C 103(a) as being unpatenable over Griswold(US005371436A).

1. in regard to claim 1-a of the application , the cotter pin(10) can be considered **Simplification or Omission of Element** as compared to the locking ring (fig. 21) employed in the “releasable connecting means” claimed by the cited prior art(see attached drawing fig. 21).

2. **Crowed Art:** The invention is classified in a crowded art ; therefore, a small step forward should be regarded as significant.


3. **New and Unexpected result:** Teaching from “**Reduction to**

**Practice**”, besides improving the locking mechanism of the connection, **Flexibility**(ability to withstand vibration) and **Endurance** of the connection itself are also enhanced, a long-felt and existing but unsolved need. As to the “connection means” (fig. 20) claimed in the cited prior art, the way said connection means is incorporated apparently couldn’t provide **Flexibility**; supposedly if it does, the wrench flats(248) of the spark plug would have slipped off the locking ring’s star-shaped opening (240) and shoulder (250) because of the engaging design which is novel itself, but might not be feasible or implemented(see 2 attached drawings fig. 20 and 21 of the cited art).

#### **Conclusion and Conditional Request For Constructive Assistance**

Applicants have submitted the above reasons in proper, logical, definite form and define novel structure which is also unobvious. If , for any reason this application is not believed to be in full condition for allowance, applicants respectfully request the constructive assistance and suggestions of the Examiner in order that the undersigned can place this application in allowable condtion.

Very Respectfully, Si-Nin Quan

Applicant Pro Se 

7/27/2005

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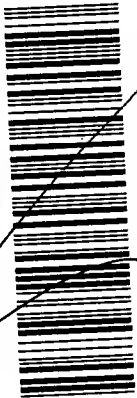
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